**Additional file 2: Table S2.** Proposals of future randomized controlled studies.

|  |  |  |  |
| --- | --- | --- | --- |
| Design  | Intervention group | Control group | Outcome analysis |
| Design 1 | In FET cycles, culturing day 5/6 morulas for an additional day. | In fresh cycles, culturing day 5/6 morulas for an additional day.  | Blastocyst formation rateTop blastocyst formation rate |
| Design 2 | In FET cycles, further culturing day 5/6 morulas and transferring embryos on the following day. | In FET cycles, transferring thawed day 5/6 morulas on the same day.  | Implantation rateLive birth rateAbortion rateMultiple pregnancy rate |

FET, frozen embryo transfer.